(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



03 JUN 2005

(43) International Publication Date 17 June 2004 (17.06.2004)

PCT

(10) International Publication Number WO 2004/050605 A1

- (51) International Patent Classification⁷: C07C 211/63, 213/04, 213/08, C11D 1/835, C07C 217/50, C11D 1/62, 3/43
- 3/43

 (21) International Application Number:
- (22) International Filing Date: 26 November 2003 (26.11.2003)
- (25) Filing Language:

English

PCT/EP2003/013279

(26) Publication Language:

English

(30) Priority Data: 02027119.3

4 December 2002 (04.12.2002) EI

(71) Applicant: CLARIANT INTERNATIONAL LTD [CH/CH]; Rothausstrasse 61, CH-4132 Muttenz (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GALLOTTI, Manlio [IT/BR]; Al. Itu, 1420 apto 101, CEP-01421-001 Sao Paulo, SP (BR). RAMOS PEREIRA DE MORAES, Patricia [BR/BR]; Rua Eduardo de Magalhaes 168, CEP- 04355-090, SP (BR). QUEIROZ CAVALCANTE, Cássio [BR/BR]; Rua Daniel Fox 138, Sao Paulo SCP-083-470, SP (BR).

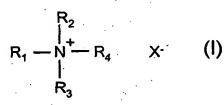
- (74) Agent: PACZKOWSKI, Marcus; Clariant Service GmbH, Patente, Marken, Lizenzen, Am Unisys-Park 1, 65843 Sulzbach (DE).
- (81) Designated States (national): BR, CA, CN, JP, KR, MX, US.
- (84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: QUATERNARY AMMONIUM COMPOSITION



(57) Abstract: A quaternary ammonium composition is claimed which essentially consists of a) a cationic compound with general formula (I) wherein R_1 is C_8 - C_{22} -alkyl, C_8 - C_{22} -alkenyl, C_8 - C_{22} -alkylamidopropyl, C_8 - C_{22} -alkenyl-amidopropyl, C_8 - C_{22} -alkyl/alkenyl(poly)alkoxyalkyl, C_8 - C_{22} -alkanoylethyl or C_8 - C_{22} -alkenoylethyl, R_2 , R_3 and R_4 are C_1 - C_{22} -alkyl, C_2 - C_{22} -alkenyl or a group of the formula -A-(OA)_n,-OH, A is -C₂H₄- and/or -C₃H₆-, n is a number from 0 to 20 and X is an anion, b) water and c) a non-ionic solvent of the general formula R-O-(AO)_nH, where R is hydrogen, alkyl or alkenyl containing 8 to 22 carbon

atoms, or phenyl, A is C₂H₄ and/or C₃H₆ and n is a number from 0 to 20, which composition is characterized in that it contains less than 20 % by weight of water.